

Course : The Geopolitics of AI: Technological Dependencies and Strategic Autonomy

Understand Technological Rivalries and Their Economic Impacts

Seminar - 1d - 7h00 - Ref. QDF

Price : 1100 CHF E.T.

NEW

Artificial intelligence has become a major issue concerning sovereignty, competitiveness, and international influence. Behind these technological innovations, economic, political, cultural, and societal power dynamics are now at play, reshaping the global balance of power. Amid U.S. dominance, Chinese ambitions, Europe's regulatory strategy, and the emergence of new hubs of innovation, organizations must understand the transformations underway in order to anticipate their strategic impacts. This seminar offers an in-depth analysis of the geopolitical challenges of AI—from strategic technological autonomy to issues of ethical global governance—to inform decision-makers' choices in a rapidly changing international context.

Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Identify the key players and power dynamics that shape the global artificial intelligence ecosystem
- ✓ Explain the models of technological and societal development driven by the major AI powers
- ✓ Analyze the challenges of digital sovereignty, cultural sovereignty in AI, and strategic technological autonomy
- ✓ Assessing the Impact of International Regulatory Changes on Organizations and Their Activities
- ✓ Identify the economic and strategic opportunities presented by the new global ecosystems of artificial intelligence

Intended audience

Executives, public and private decision-makers, senior management, heads of innovation, heads of digital initiatives, heads of CSR, strategy leaders, transformation leaders, consultants, international development leaders, and anyone interested in understanding the geopolitical issues related to artificial intelligence.

PARTICIPANTS

Executives, public and private decision-makers, senior management, heads of innovation, heads of digital initiatives, heads of CSR, strategy leaders, transformation leaders, consultants, international development leaders, and anyone interested in understanding the geopolitical issues related to artificial intelligence.

PREREQUISITES

None

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more. Participants also complete a placement test before and after the course to measure the skills they've developed.

Prerequisites

None

Practical details

Presentations supported by recent international data, studies, and reports. Analyzed case studies from the United States, China, Europe, and emerging markets. In-depth analysis of geopolitical, technological, and regulatory developments. Insights from international digital innovation ecosystems. Facilitated discussions and debates that encourage strategic perspective.

Course schedule

1 Artificial Intelligence at the Heart of New Power Dynamics

- Understanding Why AI Has Become a Key Factor in Economic, Technological, and Geopolitical Power
- Identify the strategic resources that fuel global competition: data, cloud infrastructure, semiconductors, energy, and computing power
- Analyzing the Environmental Impact of AI: Energy Consumption, Natural Resources, Data Centers, and Climate Issues
- Understanding the role of global value chains and the “invisible” AI workers in data annotation, moderation, and model training
- Assessing the Geopolitical, Social, and Ethical Implications of the Industrialization of Artificial Intelligence

2 The United States, China, and the European Union: Three Worldviews Through the Lens of AI

- Analyzing the AI Development Strategies of Major Tech Powers
- Understanding how AI technologies reflect and disseminate distinct societal models
- Analyzing the U.S. model based on the data economy and surveillance capitalism
- Examine the Chinese model, which is centered on state sovereignty, strategic planning, and digital control
- Identify the distinctive European character based on the protection of fundamental rights, digital trust, and responsible governance

3 Digital Sovereignty, Cultural Sovereignty, AI, and Strategic Technological Autonomy

- Define the concepts of digital sovereignty, AI cultural sovereignty, and strategic technological autonomy
- Identify Europe's dependencies on foreign platforms, cloud infrastructures, and AI models
- Understanding how generative models convey dominant cultural, linguistic, and cognitive frameworks
- Analyze the risks associated with the introduction of cultural biases into professional practices and decision-making
- Assess the challenges of mastering data, knowledge, and innovation capabilities in a context of global competition

TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

4 International Regulation and Ethical Global Governance: From

Constraint to Competitive Advantage

- Understanding Major Global Ethical Governance Initiatives for Artificial Intelligence
- Analyze the principles and mechanisms of the AI Act and their impact on organizations
- Identify the key compliance, accountability, and transparency issues associated with AI systems
- Assessing the impact of the AI Act on businesses from the perspective of both risks and economic opportunities
- Understanding how Europe can turn regulation into a competitive advantage by developing trustworthy AI and responsible innovation

5 Beyond Silicon Valley: The New Frontiers of Global Innovation

- Identifying emerging trends in technological innovation in countries of the Global South
- Discover the initiatives led by African digital ecosystems in the fields of artificial intelligence and digital transformation
- Understanding the principles of frugal innovation developed to address specific local constraints
- Analyzing the Role of South-North Technology Partnerships in Shaping New Economic Balances
- Exploring the strategic opportunities offered by emerging markets and international partnerships for European companies

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Dates and locations

REMOTE CLASS

2026 : 14 Dec.

2027 : 1 Mar., 11 June, 20 Sep., 3 Dec.